

Table of Contents

Meet the ATARI SF314	
MicroFloppy Disk Drive	1
Unpacking Instructions	1
Connecting the Drive	2-3
Troubleshooting	4
Care and Safety	5
Customer Support	5
SF314 Disk Drive Specifications	6
Radio and Television Interference	7

Meet the ATARI SF314 MicroFloppy Disk Drive

Your new SF314 MicroFloppy Disk Drive supports your ATARI ST Computer with state-of-the-art, high-speed storage capability. Its tastefully designed housing encases a sophisticated microfloppy disk drive system. The SF314 is a double-sided, double-density drive providing up to 720 kilobytes (formatted) of storage on each 3 1/2-inch disk. Yet the drive itself takes up no more desk space than a small book.

This manual tells you how to unpack the drive and attach it to your ATARI ST Computer. A Troubleshooting guide, Care and Safety chart, and the specifications for the SF314 are also provided. For more detailed information on attaching the drive to your system and how to insert, write-protect, and care for your disks, see your *ATARI ST Owner's Manual* that came with your ATARI ST system.

Unpacking Instructions

1. Carefully remove the disk drive from the package.
2. Place the drive on a firm, level surface and remove the packing materials.
3. Packed along with your SF314 Disk Drive you should find a power adapter, an interface cable, a warranty card, and this owner's manual. Before going on, make sure you have received these items.

Note: Save all packing materials for use in storing and transporting your drive.

Connecting the Drive

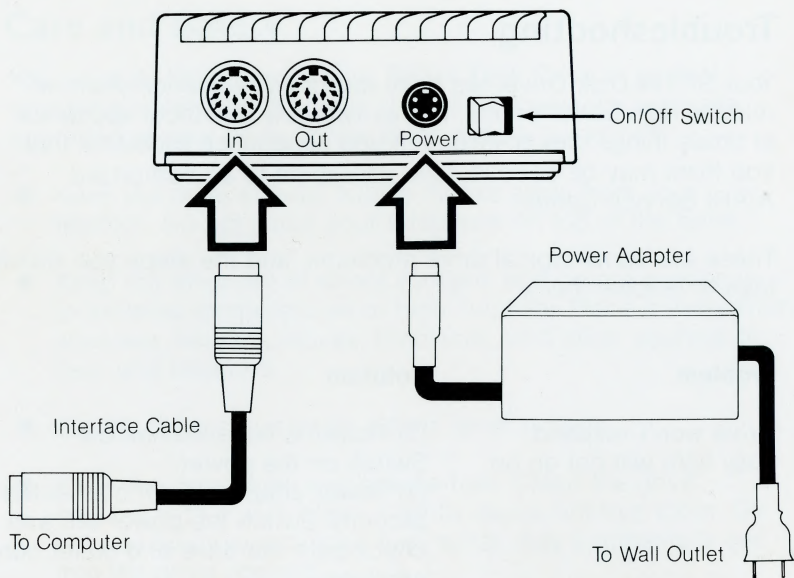
Connecting and operating your new disk drive is not difficult, but you should take care to use it correctly and safely. Please read the section, "Care and Safety," *before* connecting the drive to your computer system.

Choose the right working environment for your disk drive. Avoid places that would expose the components to dust, grease, extreme temperatures, or high humidity.

To connect the drive to your computer system, follow these steps:

1. Switch off all components of your ATARI ST Computer system.
2. Plug one end of the interface cable supplied with your disk drive into the I/O Connector marked In on the back panel of the disk drive. Plug the other end of the cable into the connector marked Floppy Disk on the back of your ST Computer.
3. Plug the power adapter's plug into the jack marked Power on the back panel of the drive. Make sure the drive is switched off, then plug the adapter's electrical plug into a wall outlet or power strip.

Note: When formatting a disk with your ATARI ST Computer and the SF314 Disk Drive, be sure to choose the double-sided formatting option.



Warning: When setting up your computer system, place your disk drive at least 12 inches away from your monitor. Monitors emit a magnetic field that can damage information recorded on disks.

Troubleshooting

Your SF314 Disk Drive has been designed to provide years of reliable high performance. But as with any electrical appliance, at times things can go wrong. If you experience problems that you think may be serious, take your drive to an authorized ATARI Service Center.

These are some typical drive problems, and the steps you should take to resolve them:

Problem

Solution

Drive won't respond;
busy light will not go on.

- (1) Power is not switched on.
Switch on the power.
- (2) Power adapter is not connected properly. Switch the power off, and check both the drive and outlet connections.
- (3) Interface cable is not attached properly to your drive or computer.
Check the connections.

Busy light is illuminated
but won't go off; drive
continues to whirl, and
makes a metallic sound.

Disk is inserted incorrectly.
Reinsert the disk.

The SF314 doesn't contain any user-serviceable parts. If you remove the housing to modify the drive you will void your warranty.

Care and Safety

You need do little to keep your SF314 Disk Drive in perfect operating condition. To ensure the full performance and safe operation of your drive, follow these simple guidelines:

- Keep the drive at least twelve inches away from your monitor. Do not place your telephone on top of the drive.
- Keep the drive out of direct sunlight, and do not expose it to extreme temperatures or high humidity. Place it away from windows, heaters, stoves, fireplaces, and other sources of heat and moisture.
- Set the drive squarely on a firm, level surface.
- Keep the drive dust- and grease-free. Clean the drive housing with a soft, clean, slightly damp, lint-free cloth. Do not use spray cleaners as their spray may accidentally get into the drive opening.
- Always grasp the solid plastic plug, not the cord itself when plugging in or unplugging the drive.

Customer Support

Atari Corp. welcomes any questions you might have about your SF314 Disk Drive or about any other ATARI Computer product.

Write to:

Atari Customer Relations
P.O. Box 61657
Sunnyvale, CA 94088

Please write the subject of your letter on the outside of the envelope.

Or contact your local Atari User Group. They are an excellent source of information on how to get the most from your ATARI Computer. To receive a list of User Groups in your area, send a self-addressed stamped envelope to:

Atari User Group List
P.O. Box 61657
Sunnyvale, CA 94088

SF314 Disk Drive Specifications

Power Supply:	+ 12V \pm 5% + 5 V \pm 5%
Power Consumption:	13.3W
Track Density:	135 tracks per inch
Tracks per Disk:	160
Storage Capacity:	360 kilobytes per one side (formatted: MFM) Total 720 kilobytes
Storage Medium:	3 1/2-inch microfloppy disks Double-sided, double-density 135 tracks per inch
Head Positioning Mechanism:	Step motor
Data Transfer Speed:	250 kilobits per second
Overall Dimensions:	5.6 x 2.4 x 9.4 inches (142 x 62 x 239 mm)
Weight:	2.3 pounds (1,050g)
Ambient Temperature:	41 to 113 F (5 to 45 C) operating or idle -4 F to 149 F (-20 to 65 C) storage -40 to 149 F (-40 to 65 C) transport
Relative Humidity (Noncondensing):	20 to 80 (operating or idle) up to 95% (storage or transport)

Radio and Television Interference

Like any electrical appliance, this ATARI Computer equipment uses and produces radio-frequency energy. If not installed and used according to the instructions in this manual, the equipment may cause interference with your radio and television reception.

The SF314 Disk Drive has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of the FCC rules. These rules are designed to provide reasonable protection against such interference when the equipment is used in a residential setting. However, there is no guarantee that interference will not occur in a particular home or residence.

If you believe that this equipment is causing interference with your radio or television reception, try turning the equipment off and on. If the interference problem stops when the equipment is turned off, then the equipment is probably causing the interference. With the equipment turned on, you may be able to correct the problem by trying one or more of the following measures:

- Adjust the position of the radio or television antenna.
- Reposition the equipment in relation to the radio or television set.
- Move the equipment away from the radio or television set.
- Plug the equipment into a different wall outlet so that the equipment and the radio or television set are connected to different branch circuits.

If necessary, consult your ATARI Computer retailer or an experienced radio-television technician for additional suggestions.

A resource that you may find helpful is a booklet prepared by the Federal Communications Commission: *How to Identify and Resolve Radio-TV Interference Problems*. This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Warning: In order to ensure the compliance with FCC Class B requirements, it is necessary for this disk drive to use only shielded Interface cables such as the one supplied with the unit by ATARI CORPORATION.

Warning: The SF314 Disk Drive has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of the FCC rules. These rules are designed to provide reasonable protection against interference with your radio and television reception when the equipment is used in a residential setting. However, there is no guarantee that interference will not occur in a particular home or residence.

Please Note:

Every effort has been made to ensure the accuracy of the product documentation in this manual. However, because Atari Corp. is constantly improving and updating its computer hardware and software, we are unable to guarantee the accuracy of printed material after the date of publication and disclaim liability for changes, errors, or omissions.

Reproduction of this document or any portion of its contents is not allowed without the specific written consent of Atari Corp.

ATARI, ST, and SF314 are trademarks or registered trademarks of Atari Corp.



©1985 Atari Corp.
All Rights Reserved.